

EAST 5/17/04

L Number	Hits	Search Text	DB	Time stamp
-	11	lord.asn. and power near4 (loss or failure or fail)	USPAT; US-PGPUB	2003/11/10 12:16
-	19	lord.asn. and washing	USPAT; US-PGPUB	2003/04/13 15:05
-	1	lord.asn. and 68/\$.ccls.	USPAT; US-PGPUB	2003/11/10 12:25
-	41	("2544360" "2575360" "2661596" "2667237" "2733792" "3174587" "3216542" "3394784" "3509742" "3739887" "3945226" "3962595" "4123675" "4200003" "4350913" "4351515" "4681197" "4720087" "4729458" "4849120" "4856631" "4920929" "4992190" "5015926" "5070565" "5080204" "5081882" "5085064" "5207081" "5230229" "5284330" "5375282" "5382373" "5452957" "5460585" "5492312" "5520029" "5547049" "5573088" "5598908" "5632361").PN.	USPAT	2003/04/13 15:07
-	12	"3724361"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 10:19
-	1	1989-040039.NRAN.	DERWENT	2003/04/16 05:53
-	1	(rheoelectric or rheo adj electric) same fluid same (shock adj absorber or damper or dampener)	DERWENT	2003/11/12 09:44
-	107	(rheol\$7) same fluid same (shock adj absorber or damper or dampener)	DERWENT	2003/04/16 06:43
-	25	(rheol\$7) same fluid same (shock adj absorber or damper or dampener) and de.cc.	DERWENT	2003/04/16 06:44
-	2	(rheol\$7) same fluid same (shock adj absorber or damper or dampener) same (fail\$4 or safety or power or loss) and de.cc.	DERWENT	2003/04/16 06:44
-	12	lord.asn. and power near4 (loss or failure or fail)	USPAT; US-PGPUB	2003/10/18 13:04
-	1	(rheoelectric or rheo adj electric) same fluid same (shock adj absorber or damper or dampener)	DERWENT	2003/10/18 13:16
-	1	1989-040039.NRAN.	DERWENT	2003/10/18 13:16
-	327	(damper or dampener) same power near4 (loss or failure or fail)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 12:47
-	327	(damper or dampener) same power near4 (loss or failure or fail)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/18 13:19
-	35	(damper or dampener) same power near4 (loss or failure or fail) and washer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:45
-	24	(damper or dampener) same power near4 (loss or failure or fail) and (68/\$.ccls. or 267/\$.ccls. or 188/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/18 13:22
-	6	(US-6152488-\$ or US-6082715-\$ or US-5632361-\$ or US-5573088-\$ or US-4786034-\$).did. or (US-20030057618-\$).did.	USPAT; US-PGPUB	2003/10/18 13:25
-	123	masaaki.in. and isuzu.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:46
-	2	masaaki.in. and isuzu.asn. and power adj supply	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:47
-	1	JP411041805A	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:47

-	1	JP411108106A	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:47
-	12	lord.asn. and power near4 (loss or failure or fail)	USPAT; US-PGPUB	2003/11/10 12:16
-	38	(188/266.8).CCLS.	USPAT; US-PGPUB	2003/11/10 12:19
-	12740	washing adj machine	USPAT; US-PGPUB	2003/11/10 12:25
-	259	washing adj machine and (damper or dampener or shcok adj absorber)	USPAT; US-PGPUB	2003/11/10 12:26
-	9	("2092259" "4484669" "4696379" "4800995" "4802561" "4893699" "4905798" "4958704" "5004079").PN.	USPAT	2003/11/10 12:28
-	3	5409089.URPN.	USPAT	2003/11/10 12:29
-	5	5085299.URPN.	USPAT	2003/11/10 12:31
-	6	("4946009" "5035306" "5085299" "5180039" "5301412" "5303804").PN.	USPAT	2003/11/10 12:32
-	5	5413196.URPN.	USPAT	2003/11/10 12:33
-	82	("2557140" "2575360" "2635483" "2661596" "2661825" "2663809" "2667237" "2669325" "2692582" "2733792" "2846028" "2940749" "2973969" "3006656" "3059915" "3174587" "3321210" "3538469" "3543901" "3550048" "3941402" "4122922" "4200003" "4351515" "4401298" "4416445" "4517505" "4544048" "4583723" "4673067" "4679775" "4699348" "4709779" "4741519" "4753421" "4789142" "4819772" "4844220" "4869476" "4872652" "4880216" "4896587" "4896752" "4899996" "4921272" "4942947" "4973031" "4981286" "4992190" "5018606" "5029677" "5052662" "5080392" "5176368" "5265703" "5277281" "5283234" "5284330" "5285878" "5293969" "5301776" "5303803" "5303804" "5318157" "5353839" "5375683" "5382373" "5389905" "5392883" "5398917" "5409088" "5413196" "5435421" "5445249" "5454452" "5462142" "5492312" "5505880" "5509888" "5624010" "5632361" "6019201").PN.	USPAT USPAT	2003/11/10 12:35 2003/11/10 12:35
-	27	5632361.URPN.	USPAT	2003/11/10 12:35
-	82	("2557140" "2575360" "2635483" "2661596" "2661825" "2663809" "2667237" "2669325" "2692582" "2733792" "2846028" "2940749" "2973969" "3006656" "3059915" "3174587" "3321210" "3538469" "3543901" "3550048" "3941402" "4122922" "4200003" "4351515" "4401298" "4416445" "4517505" "4544048" "4583723" "4673067" "4679775" "4699348" "4709779" "4741519" "4753421" "4789142" "4819772" "4844220" "4869476" "4872652" "4880216" "4896587" "4896752" "4899996" "4921272" "4942947" "4973031" "4981286" "4992190" "5018606" "5029677" "5052662" "5080392" "5176368" "5265703" "5277281" "5283234" "5284330" "5285878" "5293969" "5301776" "5303803" "5303804" "5318157" "5353839" "5375683" "5382373" "5389905" "5392883" "5398917" "5409088" "5413196" "5435421" "5445249" "5454452" "5462142" "5492312" "5505880" "5509888" "5624010" "5632361" "6019201").PN.	USPAT USPAT	2003/11/10 12:35 2003/11/10 12:46
-	0	6471018.URPN.	USPAT	2003/11/10 12:46
-	396	(damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:18
-	21	(damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor) same (secondary or emergency or auxiliary or backup)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:30
-	9	((damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4) and washing	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 12:51

-	1	2003-626948.NRAN.	DERWENT	2003/11/10 12:51
-	168	(damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 12:56
-	224	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (loss or failure or fail or defect\$4) same controller	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 12:57
-	44	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (loss or failure or fail or defect\$4) near5 controller	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:02
-	27	((damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4)) and 188/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:26
-	1	((damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4)) and 701/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:26
-	15	((damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4)) and 267/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:27
-	5	(damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:48
-	81	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (power or loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:49
-	81	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (power or loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:50
-	6	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (power or loss or failure or fail or defect\$4) same (control adj unit or ecu or cpu or microcontroller or microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:52
-	2	(electrorheolog\$6 or ERF or EMF or electromagnetic adj fluid or rheolog\$6 or magnetic adj fluid or electroviscous or rheoelectric or rheo adj electric) same (liquid or fluid) same (shock adj absorber or damper or dampener) same (defect\$4 or fail\$ or malfunction or loss near3 power or loss near3 supply)	DERWENT	2003/11/12 10:15
-	6	3724361.URPN.	USPAT	2003/11/12 10:16
-	2	"6427813"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 10:19
-	1	1999-153887.NRAN.	DERWENT	2003/11/12 10:20
-	7	(5744876.pn. or 5744923.pn. or 5390121.pn. or 5325677.pn. or 5375282.pn. or 5301523.pn. or 5907880.pn. or 5956951.pn. or 6047797.pn.) and damp\$4	USPAT; US-PGPUB	2003/11/12 11:51
-	1591	213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.	USPAT; US-PGPUB	2003/11/12 13:48
-	3	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and wedge same cam same spring	USPAT; US-PGPUB	2003/11/12 13:45
-	46	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedge or cam) same spring same friction\$4	USPAT; US-PGPUB	2003/11/12 13:48
-	499	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedge or cam) same spring same friction\$4	USOCR	2003/11/12 13:49

-	114	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedge or cam) same spring same friction\$4 same (different or larger)	USOCR	2003/11/12 13:51
-	4	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedge or cam) same spring same friction\$4 same (different or larger)	USPAT; US-PGPUB	2003/11/12 13:52
-	4	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedg\$5 or cam\$4) same spring same friction\$4 same (different or larger)	USPAT; US-PGPUB	2003/11/12 13:53

	149	("6202806" "6131709" "4913409" "5218731" "5259218" "6151930" "6394239" "6102144" "6186290" "5458222" "4254849" "4854559" "5207081" "5946947" "6009730" "6474113" "6591640" "6622530" "4881724" "5038835" "5538373" "5946891" "6007252" "6029541" "6123312" "5979126" "4900054" "5018606" "5282645" "5328004" "5680208" "6019201" "6219602" "6219602" "4769581" "5294857" "4561484" "5187982" "5650880" "4583014" "4329637" "4601677" "5177390" "5549837" "4487402" "5185543" "5588509" "5180147" "4355957" "4389688").pn. ("4429923" "4442854" "4455639" "4457667" "4484859" "4488284" "4629167" "4765446" "4787612" "4791829" "4841184" "5219144" "5259487" "5283234" "5322149" "5345177" "5385018" "5425287" "5472969" "5622244" "5627336" "5632361"	USPAT; US-PGPUB	2004/05/17 09:59
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	6	(("6202806" "6131709" "4913409" "5218731" "5259218" "6151930" "6394239" "6102144" "6186290" "5458222" "4254849" "4854559" "5207081" "5946947" "6009730" "6474113" "6591640" "6622530" "4881724" "5038835" "5538373" "5946891" "6007252" "6029541" "6123312" "5979126" "4900054" "5018606" "5282645" "5328004" "5680208" "6019201" "6219602" "6219602" "4769581" "5294857" "4561484" "5187982" "5650880" "4583014" "4329637" "4601677" "5177390" "5549837" "4487402" "5185543" "5588509" "5180147" "4355957" "4389688").pn. ("4429923" "4442854" "4455639" "4457667" "4484859" "4488284" "4629167" "4765446" "4787612" "4791829" "4841184" "5219144" "5259487" "5283234" "5322149" "5345177" "5385018" "5425287" "5472069" "5622244" "5627336" "5632361"	USPAT; US-PGPUB	2004/05/15 15:46
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	29	("6202806" "6131709" "4913409" "5218731" "5259218" "6151930" "6394239" "6102144" "6186290" "5458222" "4254849" "4854559" "5207081" "5946947" "6009730" "6474113" "6591640" "6622530" "4881724" "5038835" "5538373" "5946891" "6007252" "6029541" "6123312" "5979126" "4900054" "5018606" "5282645" "5328004" "5680208" "6019201" "6219602" "6219602" "4769581" "5294857" "4561484" "5187982" "5650880" "4583014" "4329637" "4601677" "5177390" "5549837" "4487402" "5185543" "5588509" "5180147" "4355957" "4389688").pn. ("4429923" "4442854" "4455639" "4457667" "4484859" "4488284" "4629167" "4765446" "4787612" "4791829" "4841184" "5219144" "5259487" "5283234" "5322149" "5345177" "5385018" "5425287" "5472069" "5622244" "5627336" "5632361"	USPAT; US-PGPUB	2004/05/15 15:45
Search History 5/17/04 12:47:28 PM Page 7 C:\APPS\least\workspaces\10079388.wsp				

-	19	lord.asn. and power with (loss or failure)	USPAT;	2004/05/15 15:46
-	20	lord.asn. and power with (loss or failure)	US-PGPUB	2004/05/15 15:46
-	683	mansen.xp.	USPAT;	2004/05/17 05:42
-	79	68/\$.ccls. and drum with brak\$4	US-PGPUB;	2004/05/17 07:22
-	2	lord.asn. and drum with brak\$4	EPO; JPO;	2004/05/17 07:30
-	25	stick adj brak\$4	DERWENT	2004/05/17 08:04
-	963	188/31,60,69.ccls.	USPAT;	2004/05/17 08:04
-	721	188/31,60,69.ccls.	US-PGPUB	2004/05/17 08:18
-	29579	(loss or fail or failure or malfunction) with power	USOCR	2004/05/17 08:22
-	107474	(loss or fail or failure or malfunction) with power	USOCR	2004/05/17 08:06
-	86	((loss or fail or failure or malfunction) with power) and 68/\$.ccls.	USPAT;	2004/05/17 08:06
-	8	188/31,60,69.ccls. and ((loss or fail or failure or malfunction) with power)	US-PGPUB	2004/05/17 08:18
-	81	((loss or fail or failure or malfunction) with power) and 68/\$.ccls.	USOCR	2004/05/17 08:22
-	1391	(loss or fail or failure or malfunction) with power with (brake or brakes or braking)	USOCR	2004/05/17 08:23
-	1391	(loss or fail or failure or malfunction) with power with (brake or brakes or braking)	USOCR	2004/05/17 08:23
-	2256	(loss or fail or failure or malfunction) with power with (brake or brakes or braking)	USOCR	2004/05/17 08:34
-	0	((loss or fail or failure or malfunction) with power with (brake or brakes or braking)) and 68/\$.ccls.	USPAT;	2004/05/17 08:23
-	4	((loss or fail or failure or malfunction) with power with (brake or brakes or braking)) and 68/\$.ccls.	US-PGPUB	2004/05/17 08:24
-	7	4254641.URPN.	USPAT	2004/05/17 08:29
-	15	("1666275" "1676087" "1877694" "1975206" "2497686" "2512847" "2639618" "2844225" "2845156" "2933913" "2946409" "3040854" "3100030" "3243021" "4165624").PN.	USPAT	2004/05/17 08:30
-	225	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)	USOCR	2004/05/17 08:35
-	0	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and 188/74.ccls.	USPAT;	2004/05/17 08:36
-	5	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and 188/171,173.ccls.	US-PGPUB	2004/05/17 08:37
-	6	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and 188/171,173.ccls.	USOCR	2004/05/17 08:37
-	2	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and 188/74.ccls.	USPAT;	2004/05/17 08:38
-	326	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)	US-PGPUB	2004/05/17 09:58
-	2	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (rod or stick or elongated) near2 (brake or braking)	USPAT;	2004/05/17 08:40
-	12	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (rod or stick or elongated) near2 (brake or braking)	US-PGPUB	2004/05/17 08:41
-	17	stick adj brake	USOCR	2004/05/17 08:48
-	0	"stick adj brake"	USOCR	2004/05/17 08:48
-	17	"stick brake"	USOCR	2004/05/17 08:48
-	35	"stick brake"	USPAT;	2004/05/17 08:48
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	

-	225	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)	USOCR	2004/05/17 09:22
-	118	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) and 188/\$.ccls.	USOCR	2004/05/17 09:02
-	32	(loss or fail or failure or malfunction) with power and 188/171,173.ccls.	USOCR	2004/05/17 09:03
-	57	(loss or fail or failure or malfunction) with power and 188/171,173.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:06
-	17	(loss or fail or failure or malfunction) with power and 188/267-267.2.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:17
-	6	(loss or fail or failure or malfunction) with power with (MRF or ERF or magnetic adj fluid or field adj controllable)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:18
-	0	(loss or fail or failure or malfunction) with power and 6151930.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:19
-	1	(loss or fail or failure or malfunction) with power and 6427813.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:20
-	1	"11108106"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:20
-	4	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (damper or dampener)	USOCR	2004/05/17 09:23
-	1	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (damper or dampener)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:38
-	43	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (solenoid or electromagnet)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:48
-	0	(loss or fail or failure or malfunction) with power with 242/\$.ccls. and damper with rotary with gear	USPAT; US-PGPUB	2004/05/17 09:41
-	7	242/\$.ccls. and damper with rotary with gear	USPAT; US-PGPUB	2004/05/17 09:57
-	11	("1915632" "2282653" "2596648" "2997250" "3065925" "3151823" "3246363" "4408925" "4446884" "5025802" "6086007").PN.	USPAT	2004/05/17 09:43
-	20	(loss or fail or failure or malfunction) with power and lord.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:48
-	1	6467713.URPN.	USPAT	2004/05/17 09:54
-	11	("1915632" "2282653" "2596648" "2997250" "3065925" "3151823" "3246363" "4408925" "4446884" "5025802" "6086007").PN.	USPAT	2004/05/17 09:54
-	0	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) and 8/\$.ccls.	USPAT; US-PGPUB	2004/05/17 09:58
-	0	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) and 8/\$.ccls.	USOCR	2004/05/17 09:59

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-	723	(188/317).CCLS.	USPAT; US-PGPUB	2004/05/17 10:56

PLU 55/17/04

Butler, Douglas

From: PLUS
Sent: Monday, April 19, 2004 11:27 AM
To: Butler, Douglas
Subject: PLUS Results for 10079388

Here are the PLUS search results for 10079388.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10079388_QUAL.txt



10079388_LIST.txt



10079388_WEST.txt



10079388_EAST.txt



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10079388_LIST

PLUS Search Results for S/N 10079388, Searched April 19, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10079388_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10079388 on April 19, 2004

Original Classifications

8 188/267.2
6 68/23.3
6 188/267.1
6 267/140.14
4 68/23.1
4 701/37
3 74/574
3 188/267
2 68/12.06
2 188/129
2 188/282.4
2 188/378
2 267/136
2 280/5.515
2 310/51
2 310/90.5
2 369/147

Cross-Reference Classifications

13 188/267
8 188/322.15
7 267/140.14
6 68/23.1
5 248/638
4 188/381
4 280/5.515
3 74/572
3 74/573F
3 137/909
3 188/129
3 188/266.6
3 188/267.1
3 188/268
3 188/322.19
3 188/322.2
3 188/322.22
3 248/550
3 267/136
3 267/203
3 267/219
3 416/500
2 52/167.1
2 68/23.3
2 74/574
2 180/312
2 180/41
2 188/300
2 188/322.13
2 188/378
2 188/379
2 248/562
2 248/566
2 267/127
2 267/140.15

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2 267/202
2 267/64.15
2 280/124.1
2 280/5.5
2 280/5.512
2 322/25
2 369/170
2 384/99
2 416/190
2 464/84
2 701/37
2 701/48
2 701/91

Combined Classifications

16 188/267
13 267/140.14
10 68/23.1
9 188/267.1
9 188/267.2
8 68/23.3
8 188/322.15
6 248/638
6 280/5.515
6 701/37
5 74/574
5 188/129
5 188/381
5 267/136
4 188/266.6
4 188/322.19
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2 68/12.06
2 68/23.2
2 180/312
2 180/41
2 188/266.2
2 188/269
2 188/282.2
2 188/282.4
2 188/300
2 188/318
2 188/322.13

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2 188/379
2 192/3.29
2 248/566
2 251/129.01
2 267/127
2 267/140.13
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2 280/5.512
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2 369/170
2 416/145
2 416/190
2 416/193A
2 464/68
2 464/84
2 701/48
2 701/49
2 701/91

10079388_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10079388 on April 19, 2004

- 16 188/267 (3 OR, 13 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/267 .Using magnetic flux
- 13 267/140.14 (6 OR, 7 XR)
Class 267 : SPRING DEVICES
267/136 RESILIENT SHOCK OR VIBRATION ABSORBER
267/140.11 .Including energy absorbing means or feature
(e.g., supplemental vehicle equipment, such as motor mo
unt,
gy seat, etc., including additional fluid or friction ener
gy absorber)
267/140.13 ..Axial
267/140.14 ...With electronic or magnetic control
- 10 68/23.1 (4 OR, 6 XR)
Class 068 : TEXTILES: FLUID TREATING APPARATUS
68/3R MACHINES
68/13R .Combined
68/19 ..With liquid extractor
68/23R ...Centrifugal extractor (e.g., centrifuge)
68/23.1With means to control or isolate vibration
- 9 188/267.1 (6 OR, 3 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/267.1 .Electroviscous or electrorheological fluid
- 9 188/267.2 (8 OR, 1 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/267.2 .Magnetic fluid or material (e.g., powder)
- 8 68/23.3 (6 OR, 2 XR)
Class 068 : TEXTILES: FLUID TREATING APPARATUS
68/3R MACHINES
68/13R .Combined
68/19 ..With liquid extractor
68/23R ...Centrifugal extractor (e.g., centrifuge)
68/23.1With means to control or isolate vibration
68/23.3Vertical axis centrifuge
- 8 188/322.15 (0 OR, 8 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/322.13 .Valve structure or location
188/322.15 ..Piston valve detail (e.g., seat design,
structural arrangement, metering element)
- 6 248/638 (1 OR, 5 XR)
Class 248 : SUPPORTS

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- 248/637 MACHINERY SUPPORT
248/638 .Including vibration isolation means
- 6 280/5.515 (2 OR, 4 XR)
Class 280 : LAND VEHICLES
280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL
(I.E., ACTIVE SUSPENSION CONTROL)
280/5.515 .Suspension stiffness for ride comfort (e.g.,
damping coefficient, spring rate)
- 6 701/37 (4 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/36 .Vehicle subsystem or accessory control
701/37 ..Suspension control
- 5 74/574 (3 OR, 2 XR)
Class 074 : MACHINE ELEMENT OR MECHANISM
74/469 CONTROL LEVER AND LINKAGE SYSTEMS
74/572 .Flywheels and rotors
74/574 ..With vibration damping means
- 5 188/129 (2 OR, 3 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/105 .Multiple
188/106R ..Vehicle
188/129 ...Rise and fall
- 5 188/381 (1 OR, 4 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
- 5 267/136 (2 OR, 3 XR)
Class 267 : SPRING DEVICES
267/136 RESILIENT SHOCK OR VIBRATION ABSORBER
- 4 188/266.6 (1 OR, 3 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/266.1 .Motion damped from condition (e.g., bump,
speed change) detected outside of retarder
188/266.2 ..Condition actuates valve or regulator
188/266.5 ...Of the pulsating or reciprocating type
188/266.6Side mounted
- 4 188/322.19 (1 OR, 3 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/322.19 .Cylinder structure
- 4 188/378 (2 OR, 2 XR)
Class 188 : BRAKES
188/378 INERTIA OF DAMPING MASS DISSIPATES MOTION
(E.G., VIBRATION DAMPER)
- 4 248/550 (1 OR, 3 XR)

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Class 248 : SUPPORTS
248/550 WITH CONDITION RESPONSIVE CONTROL MEANS

3 74/572 (0 OR, 3 XR)

Class 074 : MACHINE ELEMENT OR MECHANISM
74/469 CONTROL LEVER AND LINKAGE SYSTEMS
74/572 .Flywheels and rotors

3 74/573F (0 OR, 3 XR)

Class 074 : MACHINE ELEMENT OR MECHANISM
74/469 CONTROL LEVER AND LINKAGE SYSTEMS
74/572 .Flywheels and rotors
74/573R ..With balancing means
74/573F ...Fluid balancing means

3 137/909 (0 OR, 3 XR)

Class 137 : FLUID HANDLING
137/909 MAGNETIC FLUID VALVE

3 188/268 (0 OR, 3 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/268 .Using yieldable or fluent solid or semisolid

3 188/322.2 (0 OR, 3 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/322.19 .Cylinder structure
188/322.2 ..Having connection for side-mounted valve type

3 188/322.22 (0 OR, 3 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/322.22 .Thrust member or piston structure

3 248/562 (1 OR, 2 XR)

Class 248 : SUPPORTS
248/560 RESILIENT SUPPORT
248/562 .Including additional energy absorbing means,
e.g., fluid or friction damping, etc.

3 267/140.15 (1 OR, 2 XR)

Class 267 : SPRING DEVICES
267/136 RESILIENT SHOCK OR VIBRATION ABSORBER
267/140.11 .Including energy absorbing means or feature
(e.g., supplemental vehicle equipment, such as motor mount,
seat, etc., including additional fluid or friction energy
absorber)
267/140.15 ..With electronic or magnetic control

3 267/203 (0 OR, 3 XR)

Class 267 : SPRING DEVICES
267/2 VEHICLE
267/195 .Mechanical spring and nonresilient retarder
(e.g., shock absorber)

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- 267/196 ..Friction (e.g., "snubber")
 - 267/201 ...Elastomeric spring or friction element
 - 267/202And helical coil spring
 - 267/203Plural coil springs
- 3 267/219 (0 OR, 3 XR)
- Class 267 : SPRING DEVICES
 - 267/2 VEHICLE
 - 267/195 .Mechanical spring and nonresilient retarder
(e.g., shock absorber)
 - 267/217 ..Fluid retarder
 - 267/219 ...Elastomeric spring
- 3 310/90.5 (2 OR, 1 XR)
- Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/66 ..With other elements
 - 310/90 ...Bearing or air-gap adjustment or bearing
lubrication
 - 310/90.5Magnetic bearing
- 3 384/99 (1 OR, 2 XR)
- Class 384 : BEARINGS
 - 384/91 ROTARY BEARING
 - 384/99 .Hydraulic or pneumatic bearing support
- 3 416/500 (0 OR, 3 XR)
- Class 416 : FLUID REACTION SURFACES
 - 416/500 VIBRATION DAMPING FEATURES
- 2 52/167.1 (0 OR, 2 XR)
- Class 052 : STATIC STRUCTURES
 - 52/167.1 MEANS COMPENSATING EARTH-TRANSMITTED FORCE
(E.G., EARTHQUAKE)
- 2 60/326 (1 OR, 1 XR)
- Class 060 : POWER PLANTS
 - 60/325 PRESSURE FLUID SOURCE AND MOTOR
 - 60/326 .Utilizing a mixture, suspension, semisolid or
electro-conductive liquid as motive fluid
- 2 68/12.06 (2 OR, 0 XR)
- Class 068 : TEXTILES: FLUID TREATING APPARATUS
 - 68/3R MACHINES
 - 68/12.01 .Single tub and automatic sequential operation
mechanism
 - 68/12.02 ..Sequence control means responsive to a sensed
condition
 - 68/12.06 ...Unbalanced load
- 2 68/23.2 (1 OR, 1 XR)
- Class 068 : TEXTILES: FLUID TREATING APPARATUS
 - 68/3R MACHINES
 - 68/13R .Combined
 - 68/19 ..With liquid extractor
 - 68/23R ...Centrifugal extractor (e.g., centrifuge)
 - 68/23.1With means to control or isolate vibration

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68/23.2Including counterbalance

2 180/312 (0 OR, 2 XR)
 Class 180 : MOTOR VEHICLES
 180/311 FRAME
 180/312 .With structure adapted to receive or support a
 motor, change-speed gearing, or other power train element

2 180/41 (0 OR, 2 XR)
 Class 180 : MOTOR VEHICLES
 180/41 WITH LEVELING DEVICE

2 188/266.2 (1 OR, 1 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/266.1 .Motion damped from condition (e.g., bump,
 speed change) detected outside of retarder
 188/266.2 ..Condition actuates valve or regulator

2 188/269 (1 OR, 1 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/269 .Using diverse fluids

2 188/282.2 (1 OR, 1 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/281 .Resistance alters relative to direction of
 thrust member (e.g., high resistance in one direction,
 low in the other)
 188/282.1 ..Via valved orifice in thrust member
 188/282.2 ...Valve actuated by electrical system

2 188/282.4 (2 OR, 0 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/281 .Resistance alters relative to direction of
 thrust member (e.g., high resistance in one direction,
 low in the other)
 188/282.1 ..Via valved orifice in thrust member
 188/282.2 ...Valve actuated by electrical system
 188/282.4System having distinct selections (e.g.,
 hard, medium, soft)

2 188/300 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/300 .With means for locking parts together
 temporarily

2 188/318 (1 OR, 1 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/297 .Having a thrust member with a variable volume
 chamber (e.g., coaxial or telescoping tubes, compensat
 ing

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reservoir)

188/316 ..Fluid through or around piston within chamber

188/317 ...Via fixed or variable orifice in piston

188/318And passage venting fluid external to chamber

2 188/322.13 (0 OR, 2 XR)

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER

188/322.13 .Valve structure or location

2 188/379 (0 OR, 2 XR)

Class 188 : BRAKES

188/378 INERTIA OF DAMPING MASS DISSIPATES MOTION
(E.G., VIBRATION DAMPER)

188/379 .Resiliently supported damping mass

2 192/3.29 (1 OR, 1 XR)

Class 192 : CLUTCHES AND POWER-STOP CONTROL

192/3.21 VORTEX-FLOW DRIVE AND CLUTCH

192/3.28 .Including drive-lockup clutch

192/3.29 ..Having fluid-pressure operator

2 248/566 (0 OR, 2 XR)

Class 248 : SUPPORTS

248/560 RESILIENT SUPPORT

248/562 .Including additional energy absorbing means,
e.g., fluid or friction damping, etc.

248/566 ..Variable or adjustable energy absorbing means

2 251/129.01 (1 OR, 1 XR)

Class 251 : VALVES AND VALVE ACTUATION

251/129.01 ELECTRICALLY ACTUATED VALVE

2 267/127 (0 OR, 2 XR)

Class 267 : SPRING DEVICES

267/113 FLUID

267/118 .Expansible-contractible chamber device

267/124 ..Piston

267/126 ...System

267/127Trans-piston passage

2 267/140.13 (1 OR, 1 XR)

Class 267 : SPRING DEVICES

267/136 RESILIENT SHOCK OR VIBRATION ABSORBER

267/140.11 .Including energy absorbing means or feature

(e.g., supplemental vehicle equipment, such as motor mou

nt,

seat, etc., including additional fluid or friction energ

y

absorber)

267/140.13 ..Axial

2 267/202 (0 OR, 2 XR)

Class 267 : SPRING DEVICES

267/2 VEHICLE

267/195 .Mechanical spring and nonresilient retarder

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(e.g., shock absorber)

267/196 ..Friction (e.g., "snubber")
267/201 ...Elastomeric spring or friction element
267/202 And helical coil spring

2 267/64.15 (0 OR, 2 XR)
Class 267 : SPRING DEVICES
267/2 VEHICLE
267/64.11 .Comprising compressible fluid
267/64.15 ..With retarder

2 267/74 (1 OR, 1 XR)
Class 267 : SPRING DEVICES
267/69 ELASTIC EXTENSION DEVICES
267/73 .Tension spring
267/74 ..Single

2 280/124.1 (0 OR, 2 XR)
Class 280 : LAND VEHICLES
280/29 WHEELED
280/80.1 .Running gear
280/124.1 ..Suspension arrangement

2 280/5.5 (0 OR, 2 XR)
Class 280 : LAND VEHICLES
280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL
(I.E., ACTIVE SUSPENSION CONTROL)

2 280/5.512 (0 OR, 2 XR)
Class 280 : LAND VEHICLES
280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL
(I.E., ACTIVE SUSPENSION CONTROL)
280/5.508 .Lateral vehicle disposition
280/5.51 ..Steering element responsive (e.g., steering
angle, steering rate)
280/5.512 ...Including suspension stiffness for ride
comfort (e.g., damping coefficient, spring rate)

2 310/183 (1 OR, 1 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/179 ..Windings and core structure
310/180 ...Field or excitation windings or structure
310/182 With short-circuited winding or conductor
310/183 Damper winding

2 310/269 (1 OR, 1 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/261 ..Rotor structure
310/264 ...Armatures
310/269 Salient pole

2 310/51 (2 OR, 0 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC

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310/40R .Rotary
310/51 ..Vibration or noise suppression

2 322/25 (0 OR, 2 XR)
Class 322 : ELECTRICITY: SINGLE GENERATOR SYSTEMS
322/17 AUTOMATIC CONTROL OF GENERATOR OR DRIVING MEANS

322/22 .Plural conditions
322/23 ..Including an electrical condition
322/24 ...Plural electrical conditions
322/25Voltage and current

2 324/318 (1 OR, 1 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/300 PARTICLE PRECESSION RESONANCE
324/318 .Spectrometer components

2 369/147 (2 OR, 0 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/99 SPECIFIC DETAIL OF INFORMATION HANDLING PORTION
OF SYSTEM
369/127 .Mechanical modification or sensing of storage
medium
369/135 ..Specified structure of electrical transducing
assembly
369/146 ...Magnetic field variation (e.g.,
magnetostrictive)
369/147Moving signal coil

2 369/170 (0 OR, 2 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/99 SPECIFIC DETAIL OF INFORMATION HANDLING PORTION
OF SYSTEM
369/127 .Mechanical modification or sensing of storage
medium
369/170 ..Stylus holder or shield

2 416/145 (1 OR, 1 XR)
Class 416 : FLUID REACTION SURFACES
416/144 WITH WEIGHT-BALANCING MEANS
416/145 .Self-shifting or selectively adjustable mass

2 416/190 (0 OR, 2 XR)
Class 416 : FLUID REACTION SURFACES
416/179 ROTOR HAVING FLOW CONFINING OR DEFLECTING WEB,
SHROUD OR CONTINUOUS PASSAGE
416/189 .Axially extending shroud ring or casing
416/190 ..Vibration inhibiting or expansion-contraction
structure

2 416/193A (1 OR, 1 XR)
Class 416 : FLUID REACTION SURFACES
416/179 ROTOR HAVING FLOW CONFINING OR DEFLECTING WEB,
SHROUD OR CONTINUOUS PASSAGE
416/189 .Axially extending shroud ring or casing
416/193R ..Spaced inwardly of impeller periphery
416/193A ...Root platforms

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- 2 464/68 (1 OR, 1 XR)
 Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND
 FLEXIBLE COUPLINGS FOR ROTARY SHAFTS
 464/51 TORQUE TRANSMITTED VIA FLEXIBLE ELEMENT
 464/61 .Element is a spring coiled about centerline
 angularly related to or radially spaced from rotationa
 axis
 464/62 ..Plural springs
 464/66 ...Opposite ends of spring are equidistant from
 rotational axis
 464/68Springs positioned between axially spaced
 plates of one member and driven by other member extending
 radially between said plates
- 2 464/84 (0 OR, 2 XR)
 Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND
 FLEXIBLE COUPLINGS FOR ROTARY SHAFTS
 464/51 TORQUE TRANSMITTED VIA FLEXIBLE ELEMENT
 464/81 .Plural circumferentially spaced elements
 464/84 ..Elements are bowed leaf springs
- 2 701/48 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/36 .Vehicle subsystem or accessory control
 701/48 ..Cooperative or multiple control (e.g.,
 suspension and braking)
- 2 701/49 (1 OR, 1 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/36 .Vehicle subsystem or accessory control
 701/49 ..Vehicle equipment position control (e.g.,
 seat, mirror, door, window, headrest, or headlamp)
- 2 701/91 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/70 .Indication or control of braking,
 acceleration, or deceleration
 701/82 ..Antispin, traction control, or drive slip
 control
 701/91 ...Integrated with antiskid or other vehicle
 control system (e.g., cruise control, suspension)